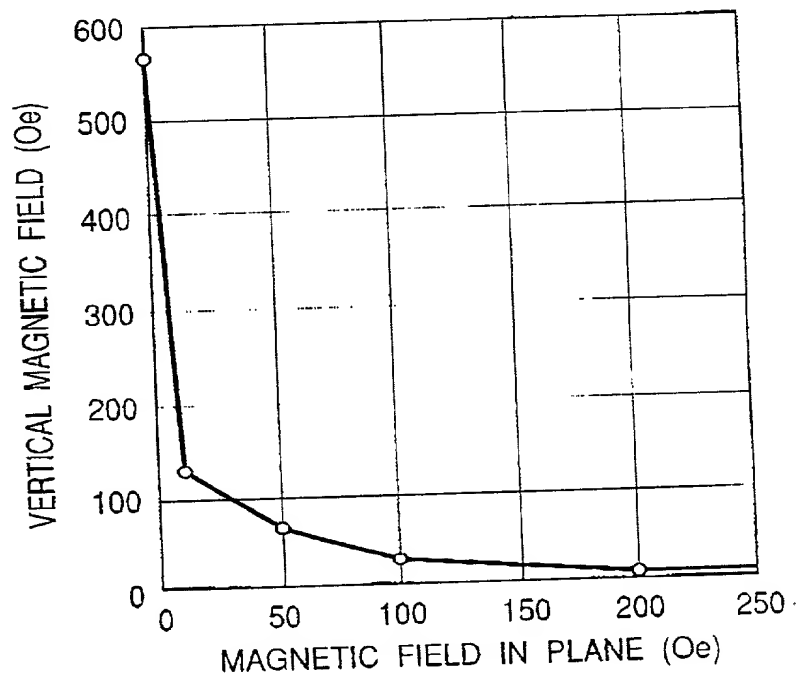


**FIG. 2**



**FIG. 3**

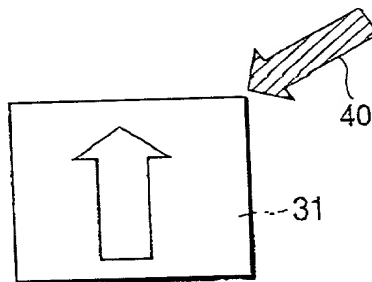
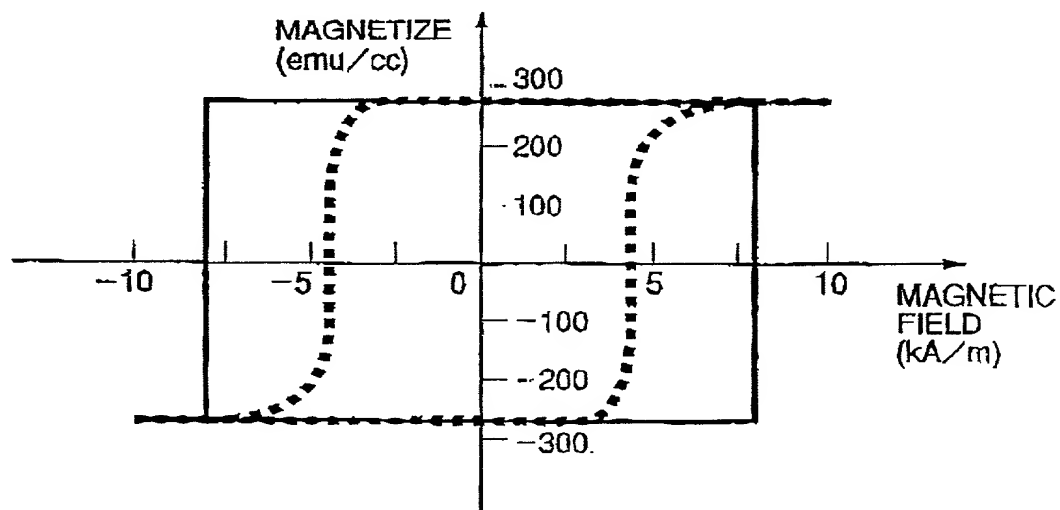
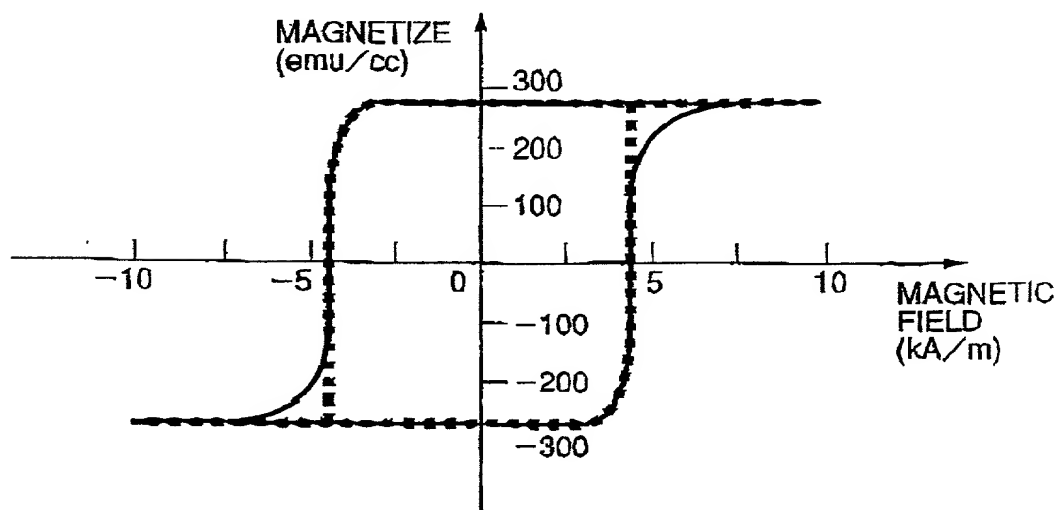


FIG. 4

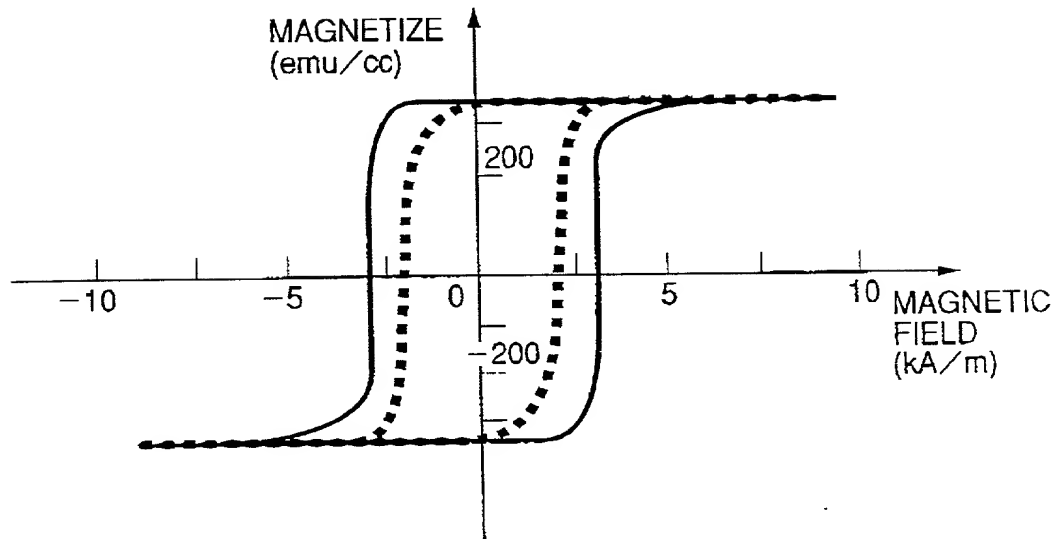


FILM STRUCTURE:  
Si/Gd17Fe83(30nm)/Pt(2nm)

FIG. 5



FILM STRUCTURE: (SAME AS FIG. 4)  
Si/Gd17Fe83(30nm)/Pt(2nm)

**FIG. 6**

FILM STRUCTURE: (SAME AS FIG. 4)  
 Si/Gd<sub>18</sub>Fe<sub>82</sub>(30nm)/Fe(1nm)/Pt(2nm)

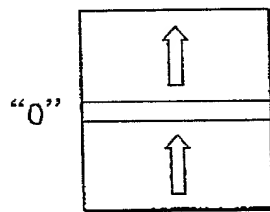
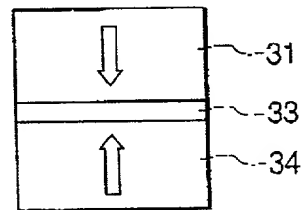
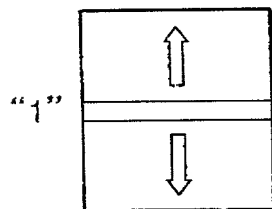
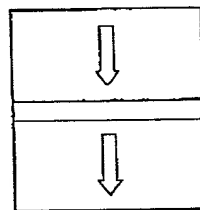
**FIG. 7A****FIG. 7B****FIG. 7C****FIG. 7D**

FIG. 8

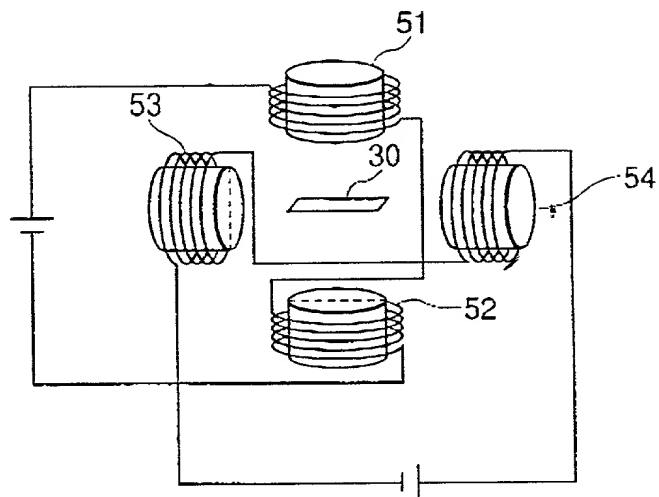
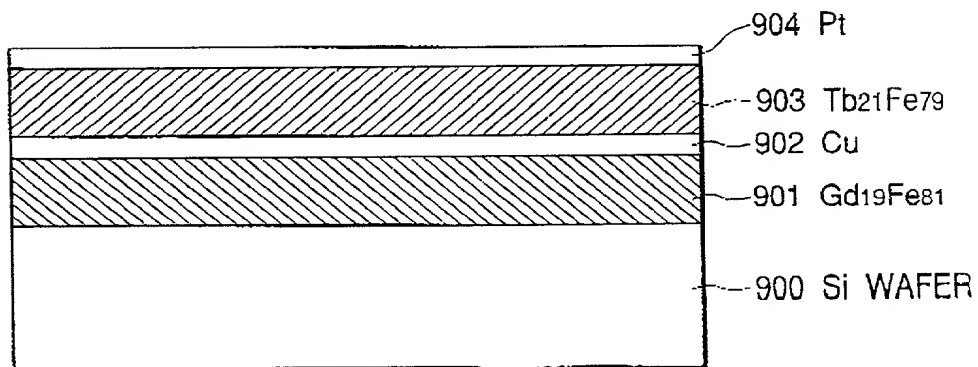


FIG. 9



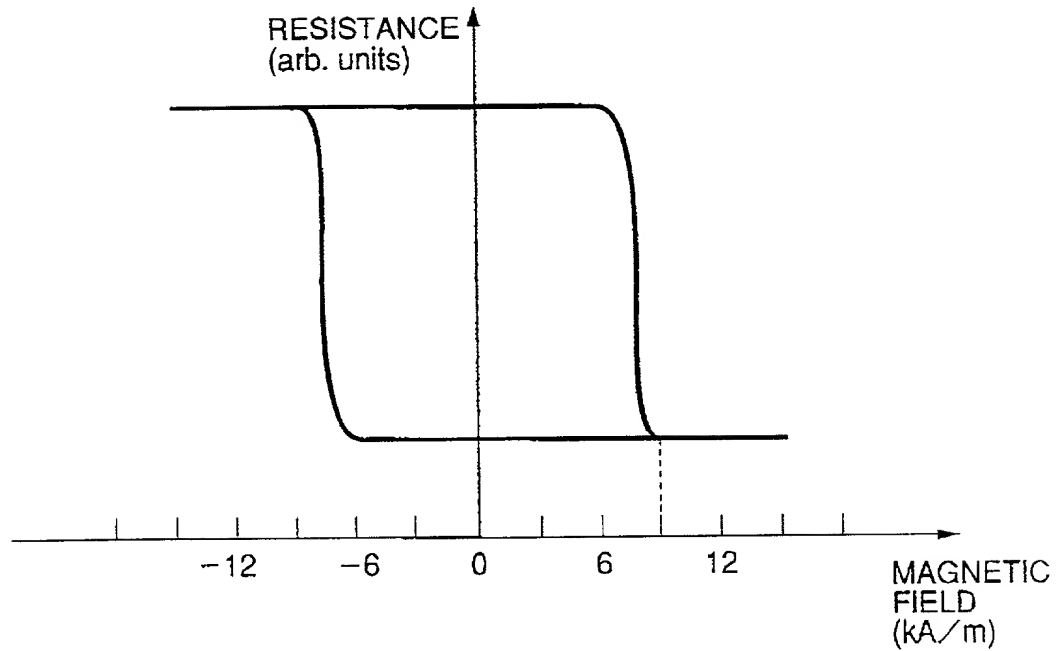
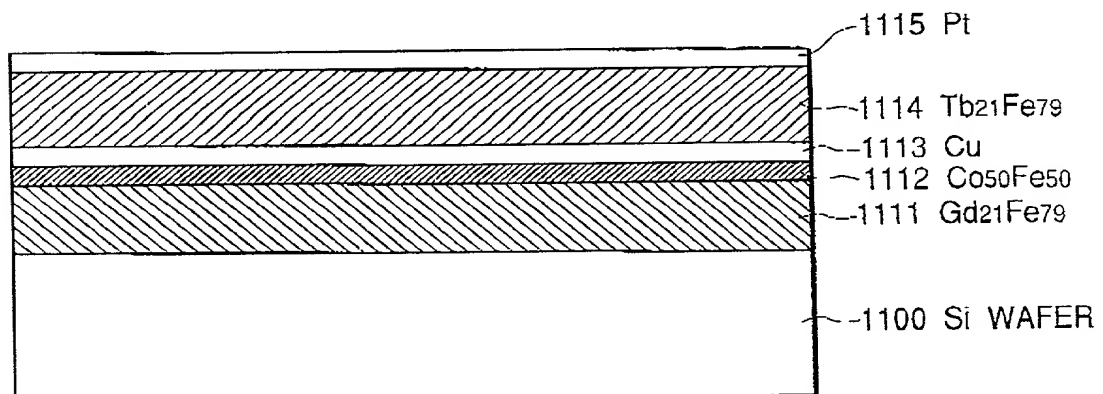
*FIG. 10**FIG. 11*

FIG. 12

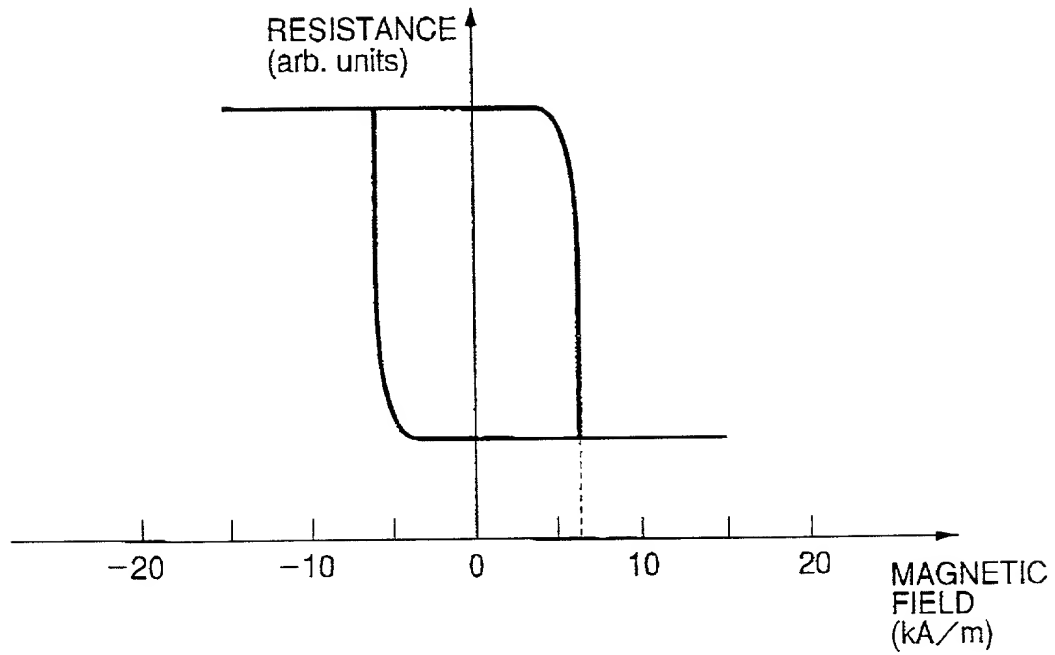
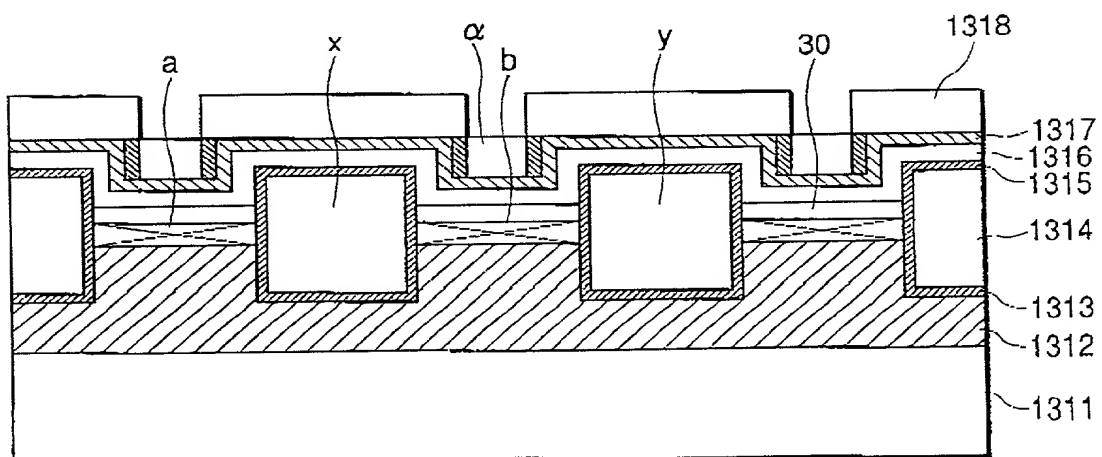


FIG. 13



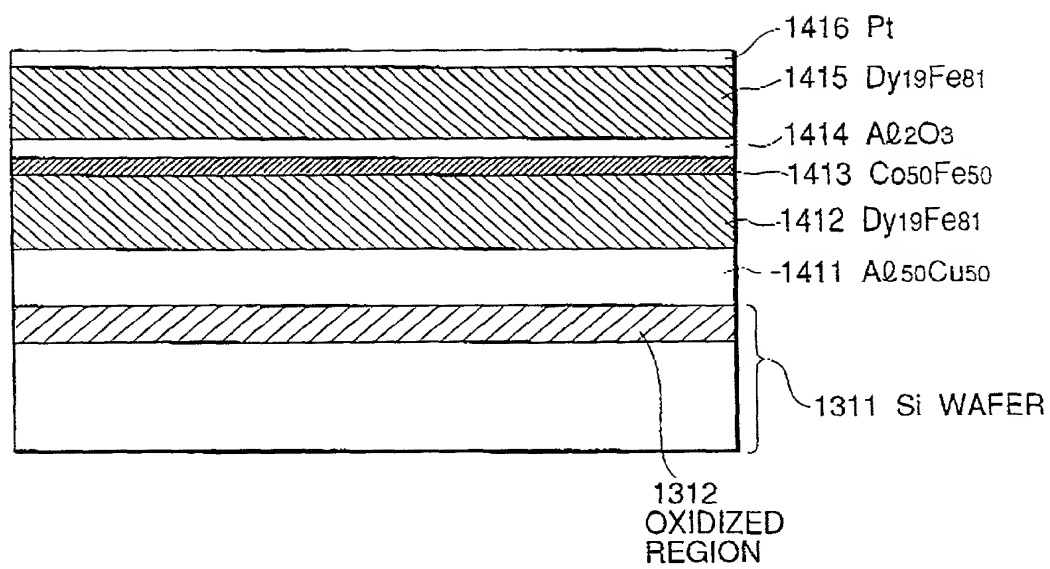
*FIG. 14*

FIG. 15

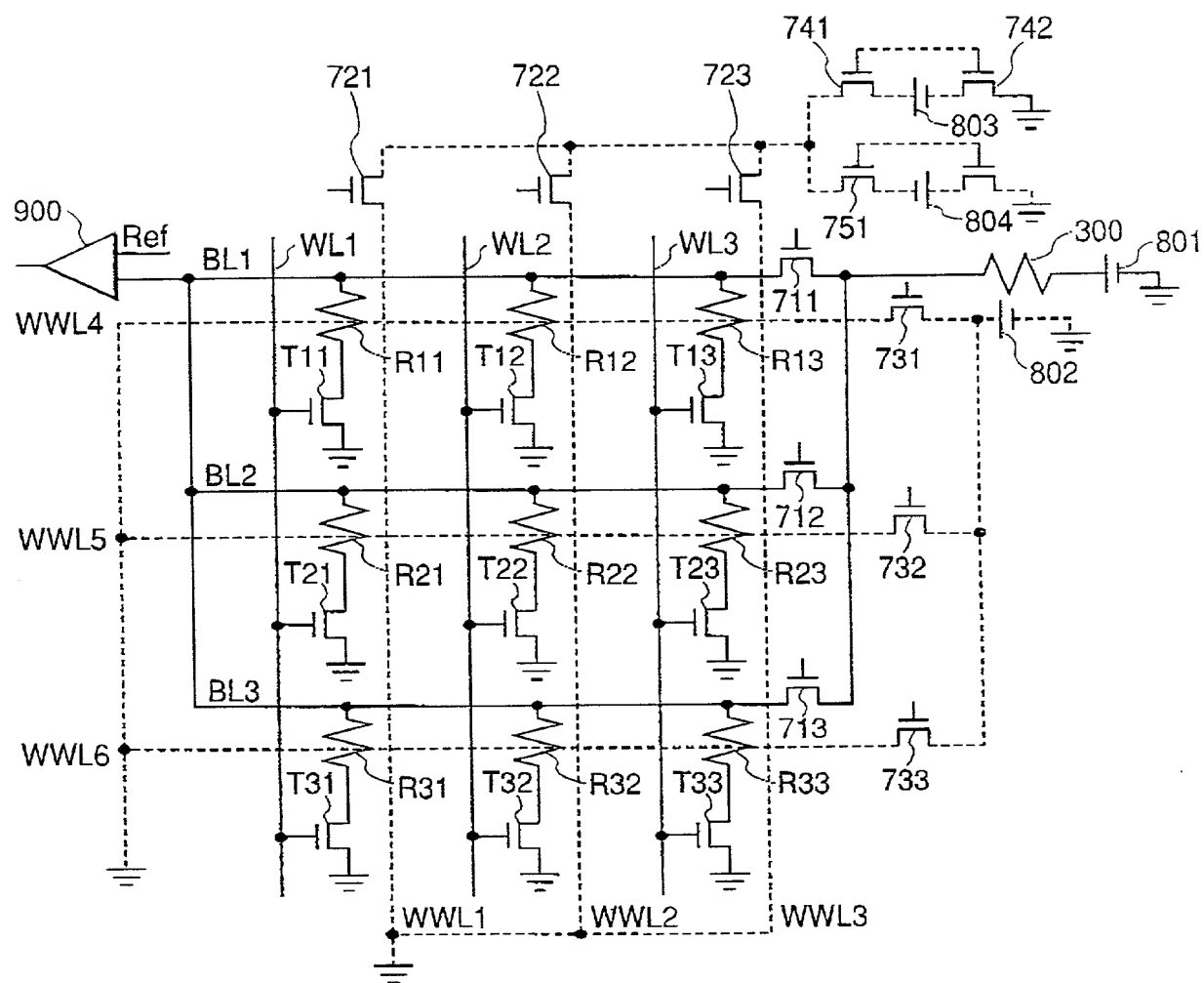




FIG. 16

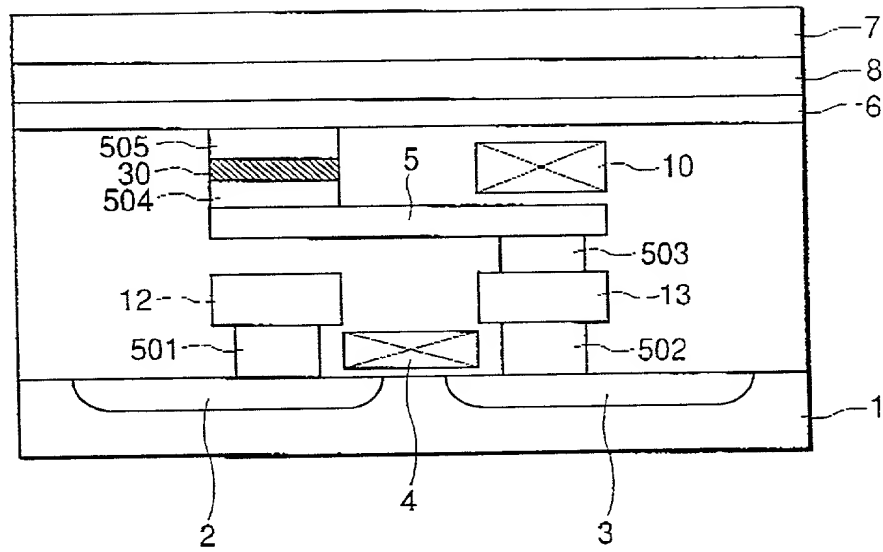


FIG. 17

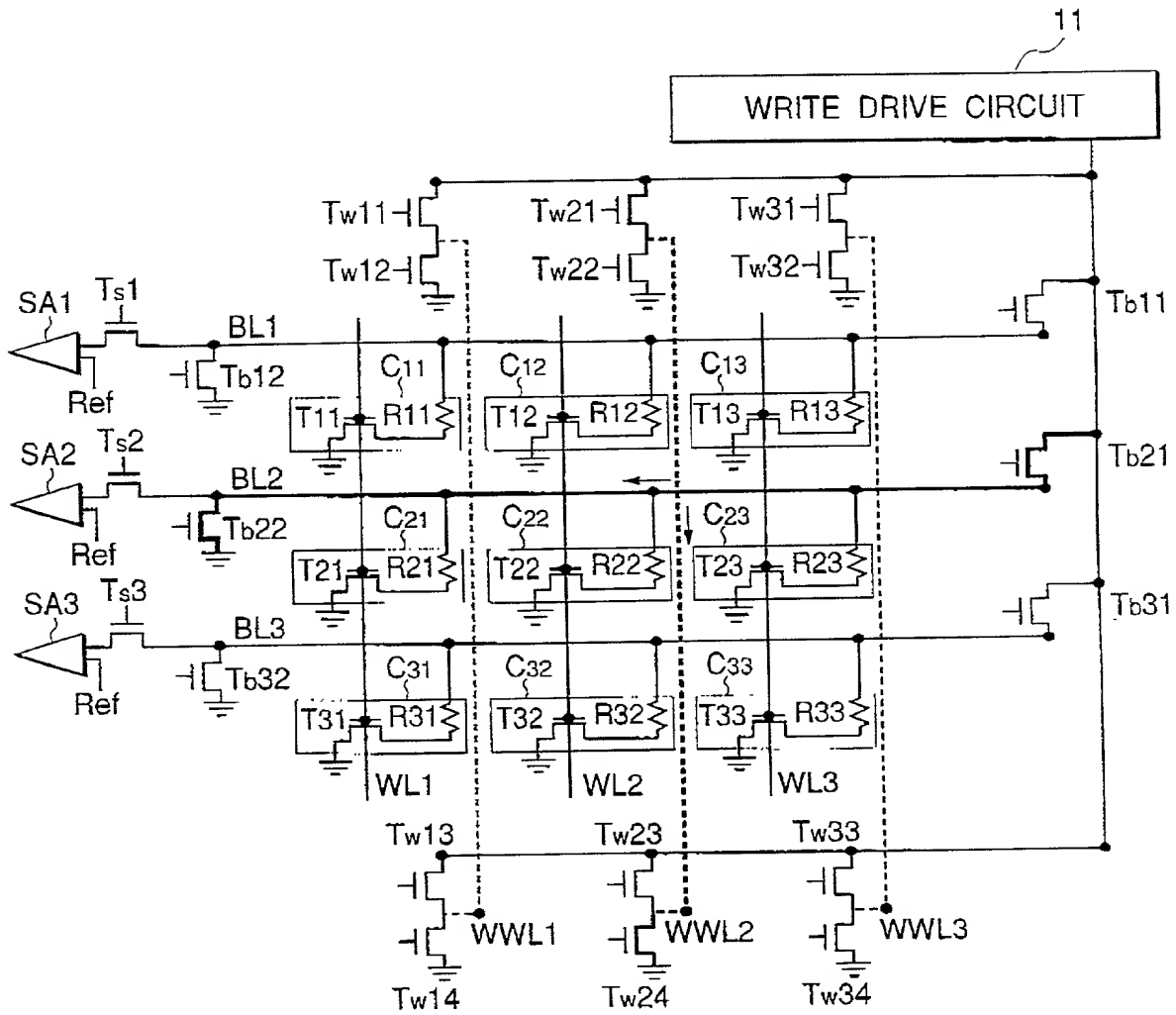


FIG. 18

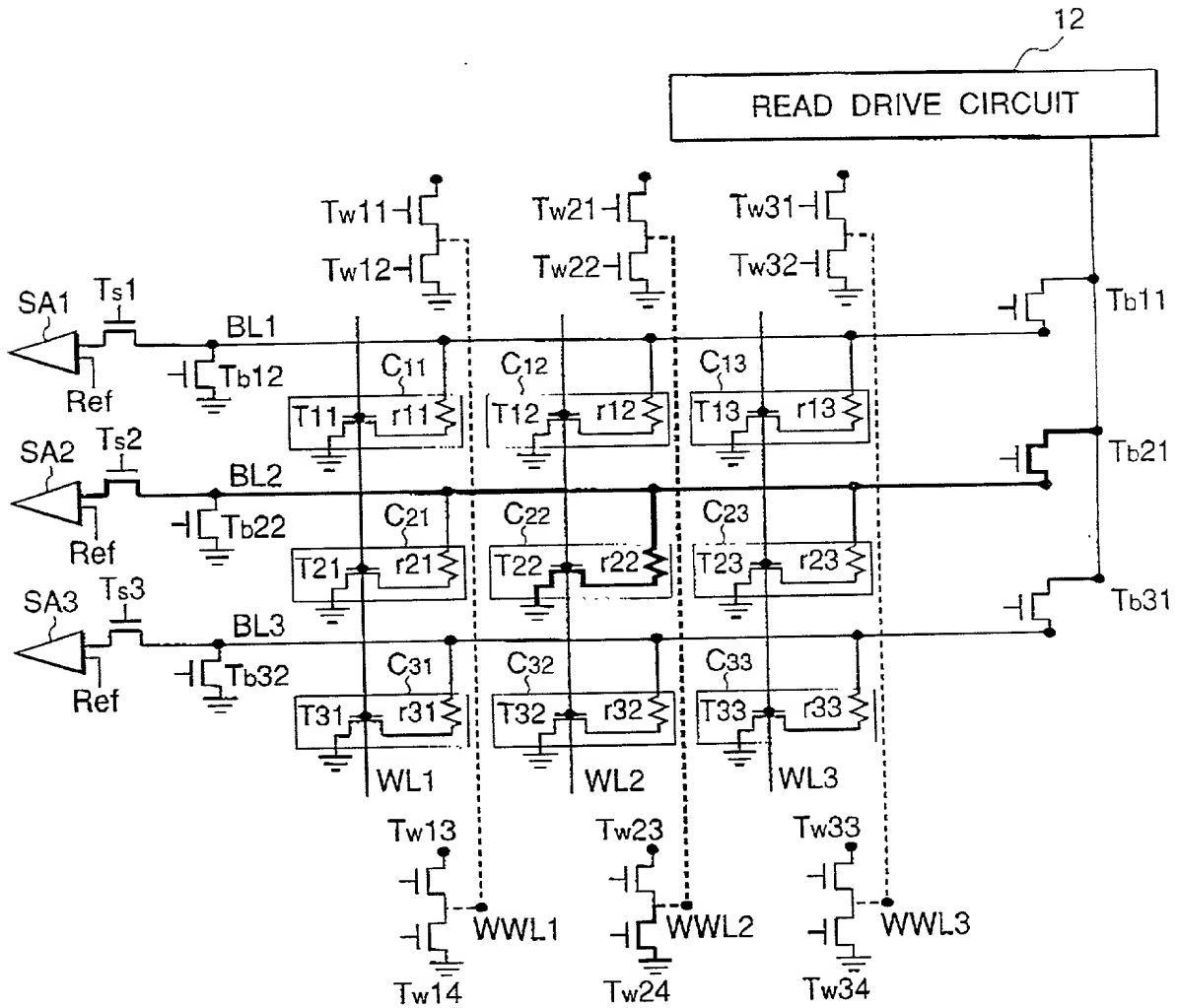


FIG. 19

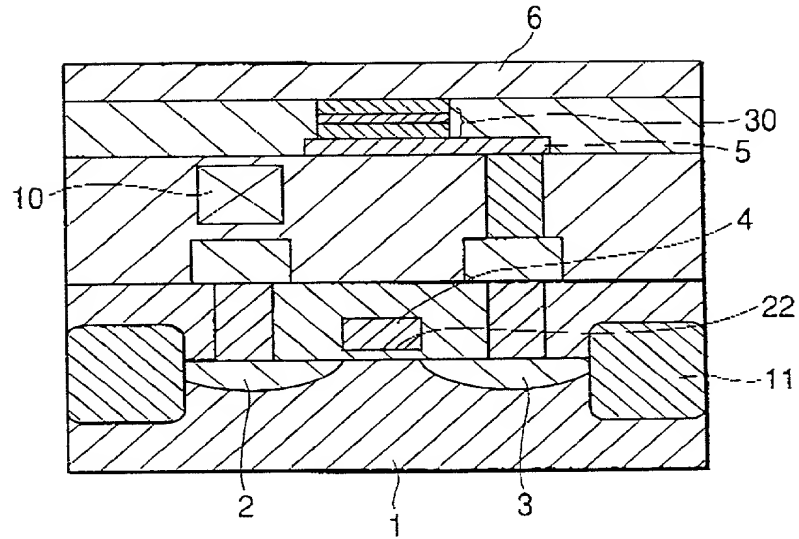
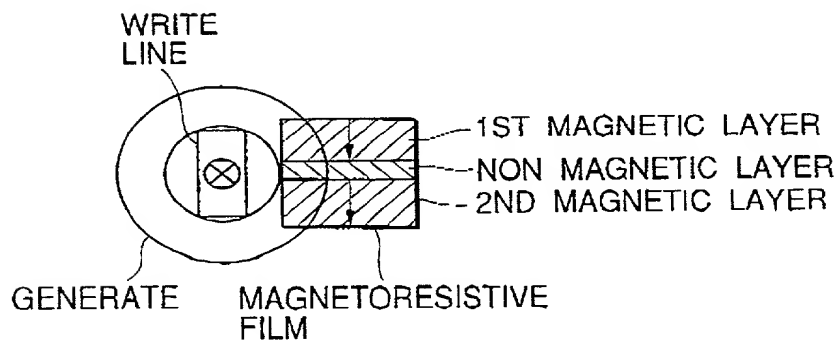
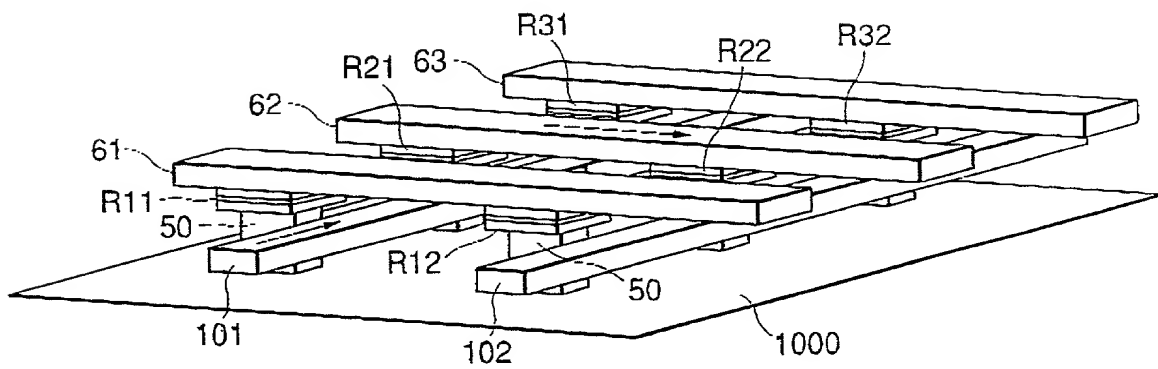
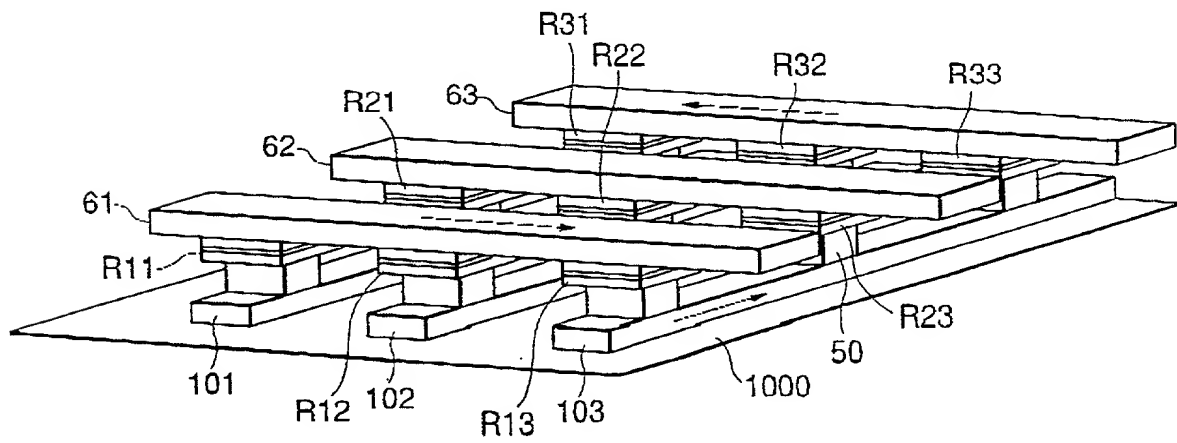
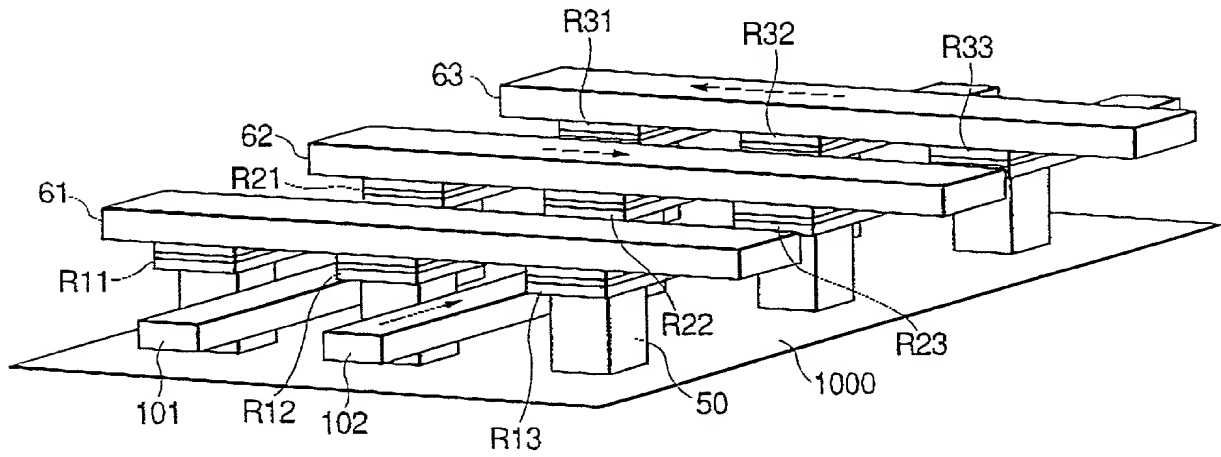


FIG. 20



*FIG. 21**FIG. 22*

**FIG. 23**



**FIG. 24**

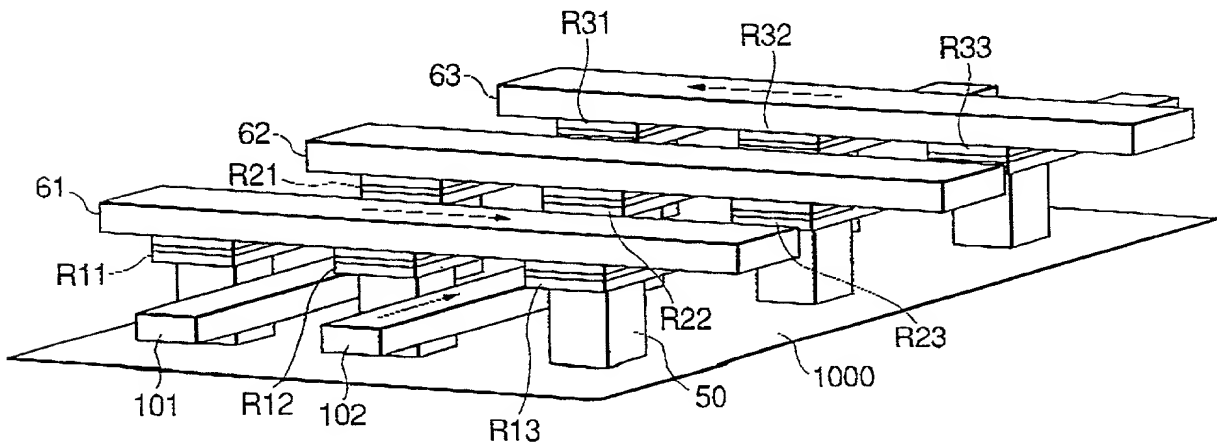


FIG. 25

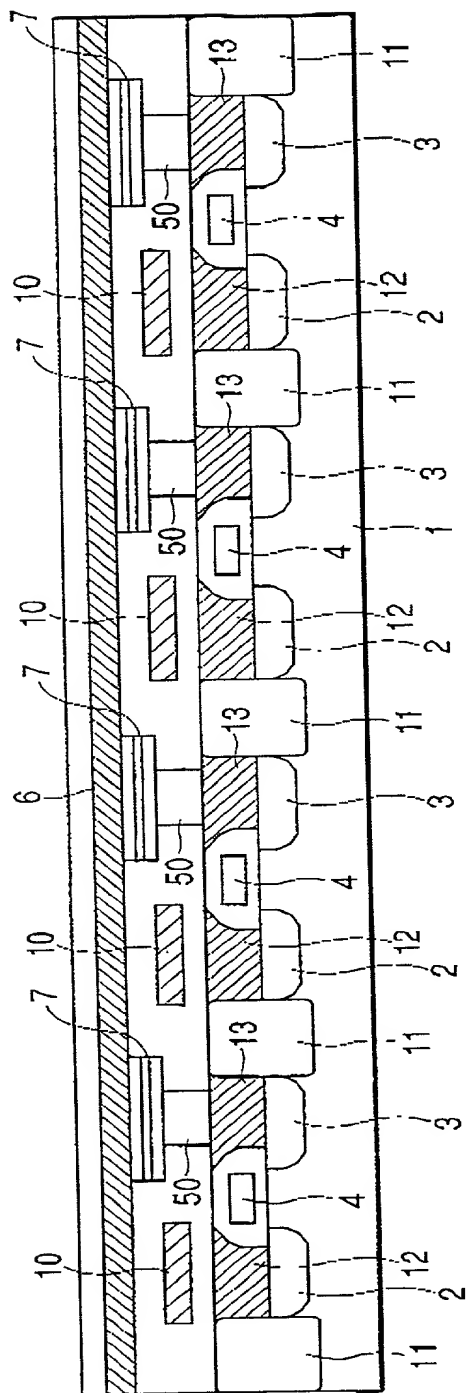


FIG. 26

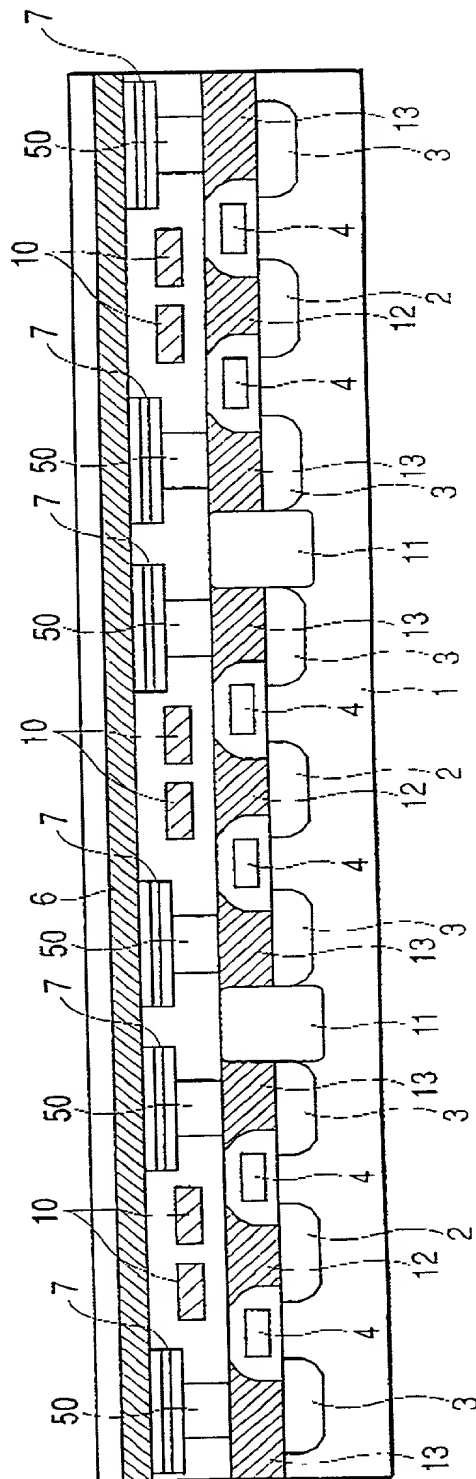


FIG. 27

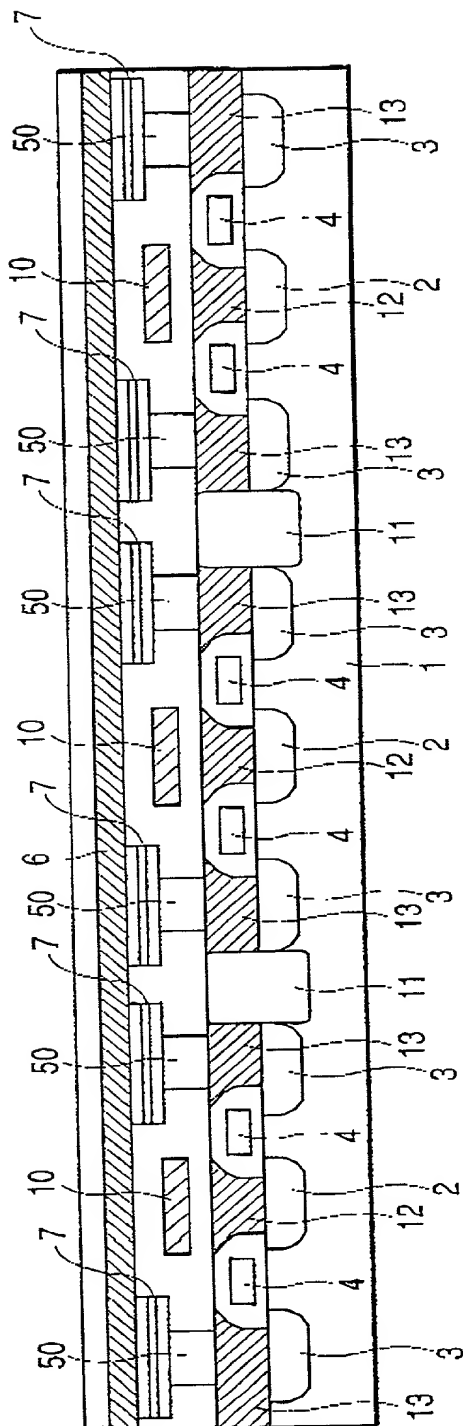




FIG. 28

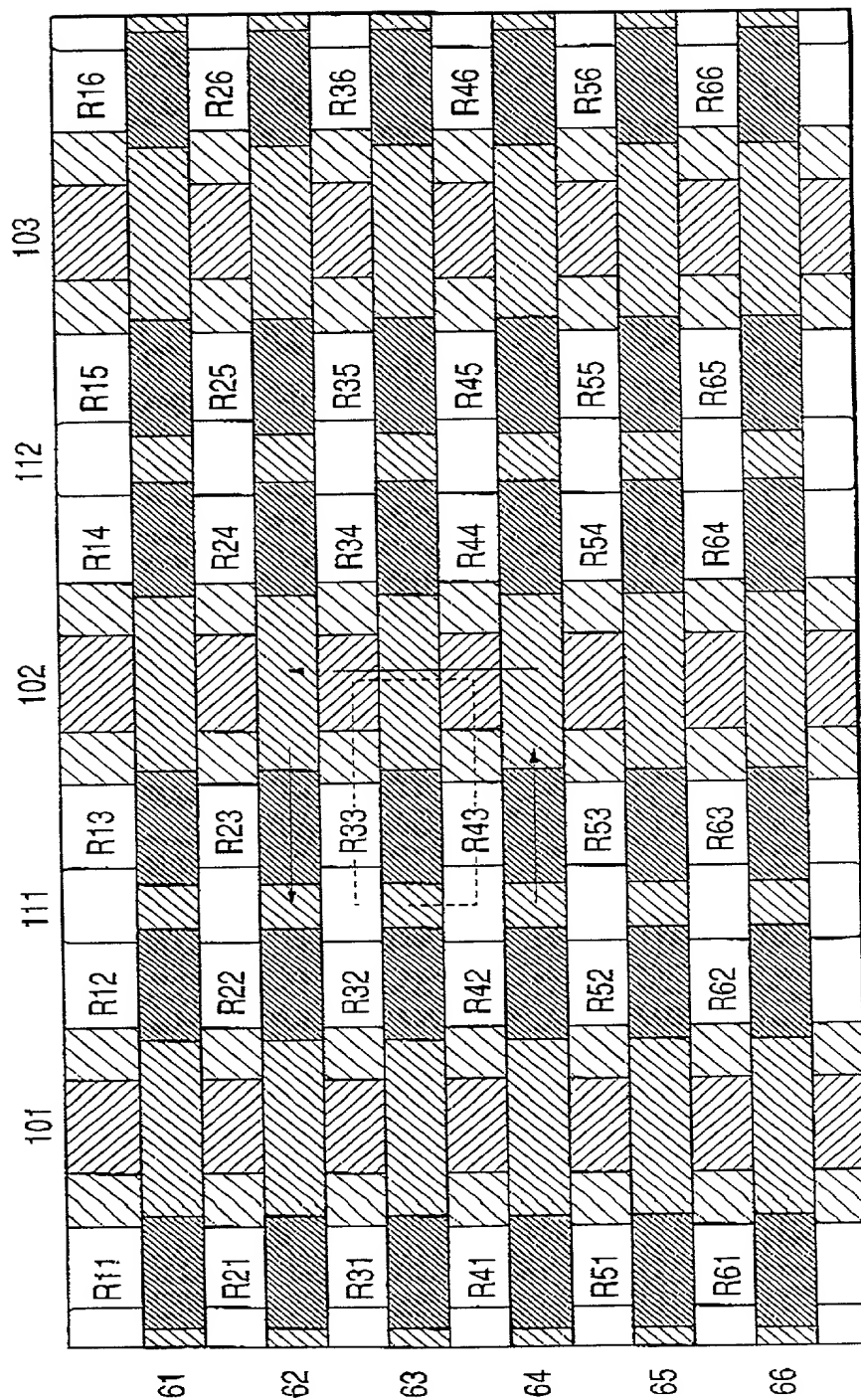


FIG. 29

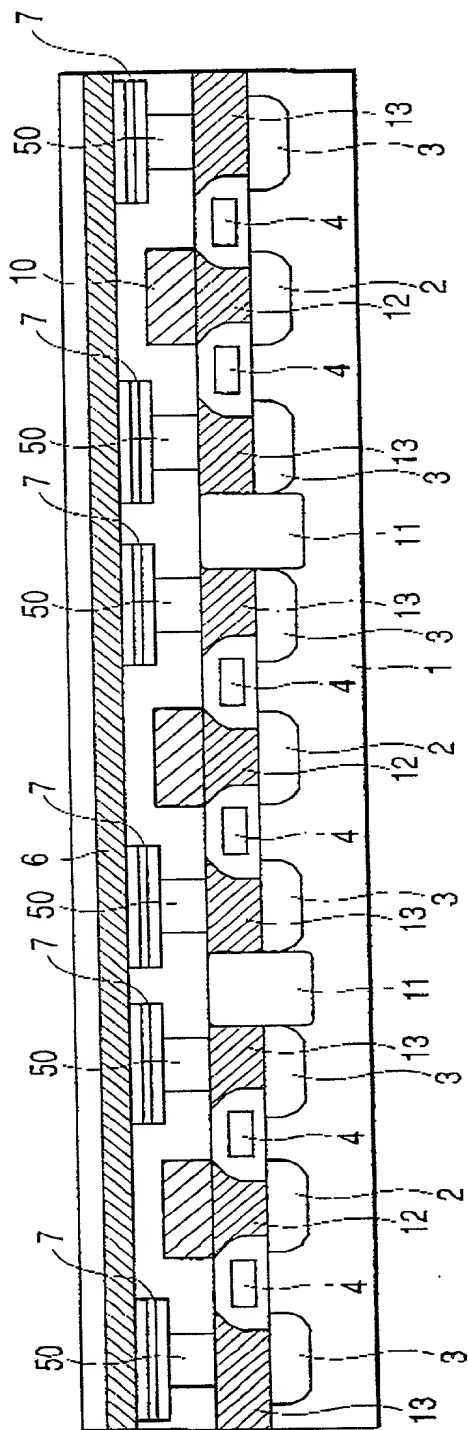


FIG. 30

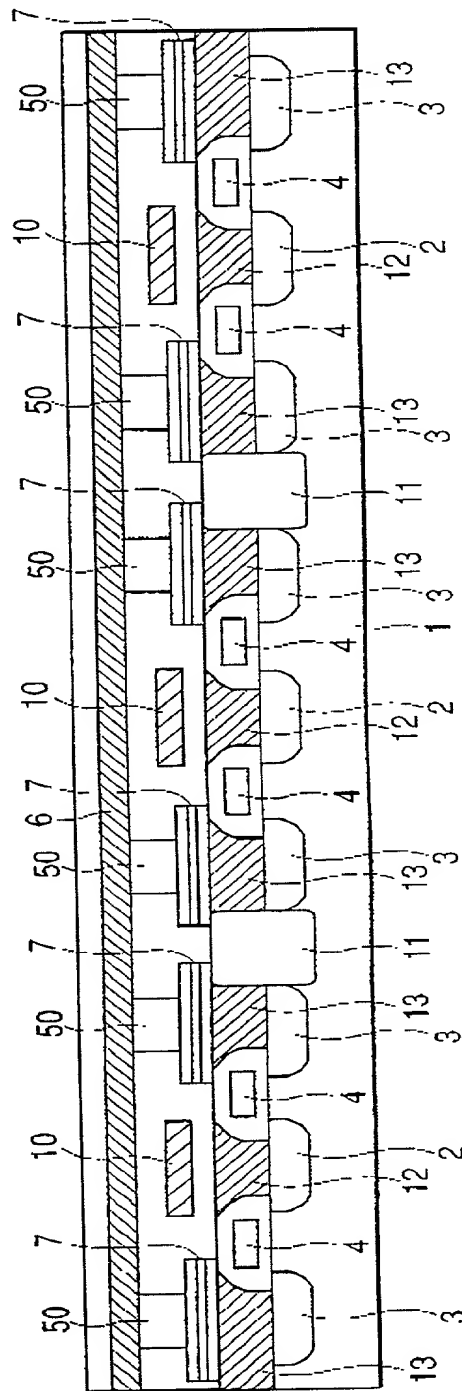
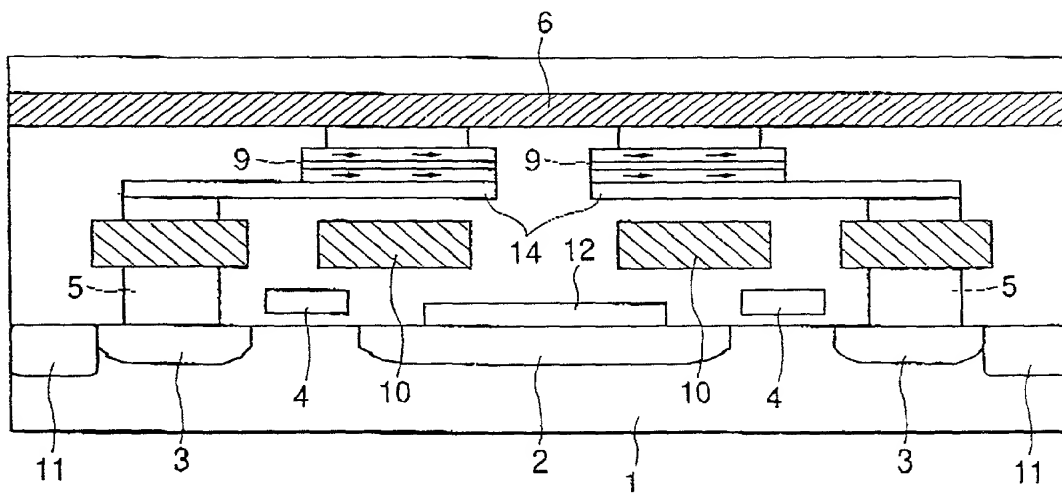


FIG. 32



*FIG. 33*